10320 Camino Santa Fe, Suite A
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UTF1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1767a

Specification

UTF1 Antibody - Product Information

Application	**WB, FC, E**
Primary Accession	Q5T230
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**36.4kDa KDa**

Description
Undifferentiated transcription factor-1 (UTF-1) is used as marker for the undifferentiated state of pluripotent stem cells.UTF1 is a chromatin-associated protein with core histone-like properties. UTF1 further acts as a transcriptional repressor and is required for proper differentiation of pluripotent cells.

Immunogen
Purified recombinant fragment of human UTF1 (AA: 148-214) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

UTF1 Antibody - Additional Information

Gene ID 8433

Other Names
Undifferentiated embryonic cell transcription factor 1, UTF1 (HGNC:12634)

Dilution
WB~~1/500 - 1/2000
FC~~1/200 - 1/400
E~~1/10000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
UTF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

UTF1 Antibody - Protein Information

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Name UTF1 (HGNC:12634)

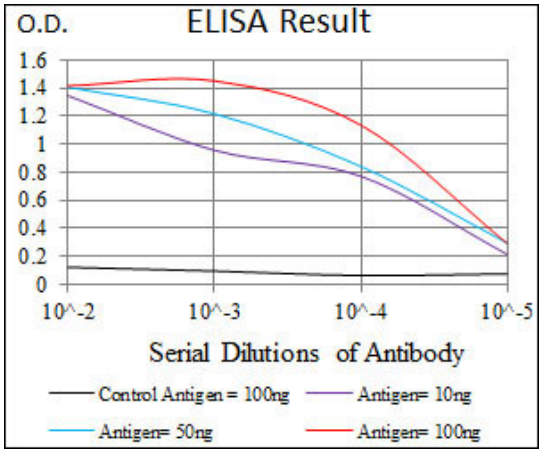
Function
Acts as a transcriptional coactivator of ATF2.

Cellular Location
Nucleus.

UTF1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



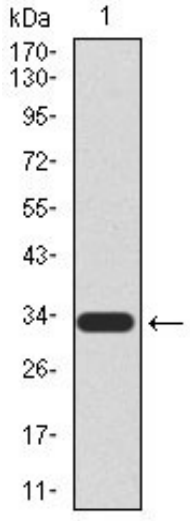


Figure 1: Western blot analysis using UTF1 mAb against human UTF1 recombinant protein. (Expected MW is 32.8 kDa)

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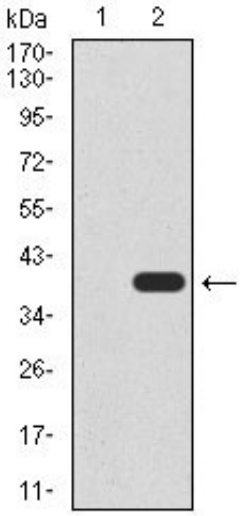

Figure 2: Western blot analysis using UTF1 mAb against HEK293 (1) and UTF1 (AA: 148-214)-hIgGFc transfected HEK293 (2) cell lysate.

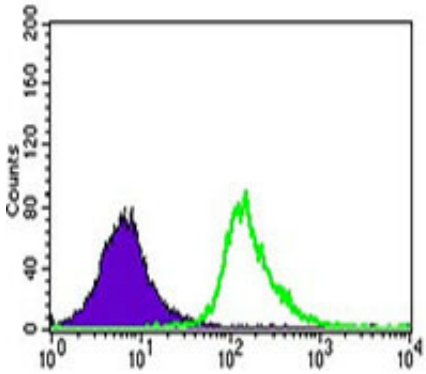

Figure 3: Flow cytometric analysis of K562 cells using UTF1 mouse mAb (green) and negative control (purple).

UTF1 Antibody - References

1.Int J Exp Pathol. 2011 Oct;92(5):326-32.2.Stem Cell Res. 2009 May;2(3):211-8.